

Converting Colors

XYZ(49.1601, 63.5122, 80.4913)

Have a look what the booklet for
XYZ(49.1601, 63.5122, 80.4913)
contains.

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Color

**XYZ(49.0123, 63.2823,
80.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	80E0E0
RGB	128, 224, 224
RGB Percent	50%, 88%, 88%
CMY	0.4980, 0.1216, 0.1216
CMYK	0.43, 0.00, 0.00, 0.12
HSL	180°, 61%, 69%
HSV	180°, 43%, 88%
XYZ	49.0123, 63.2823, 80.1525
YIQ	195.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

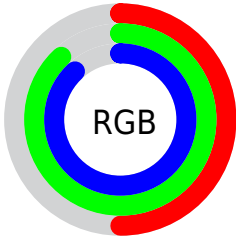
Format	Color
RYB	128, 176, 224
Decimal	8446176
CIELab	83.59, -28.32, -8.88
CIELCh	84, 29.677, 197.405
Yxy	63.2823, 0.2547, 0.3288
Android (android.graphics.Color)	4286636256 (0xFF80E0E0)
YUV	195.2960, 14.1511, -59.0186
Hunter-Lab	79.5502, -29.2357, -4.0538

Details

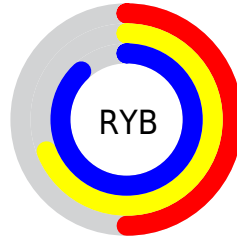
The XYZ color **49.0123, 63.2823, 80.1525** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.3581, 32.8461, 24.5318**, and the grayscale version is **51.9925, 54.7002, 59.5685**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **23.6183, 32.1350, 42.4940** is the 20% darker color. If you saturate the color by 10%, you get **46.0083, 61.7352, 80.0129**, and if you desaturate by 10%, it is **52.7638, 65.2178, 80.3298**.

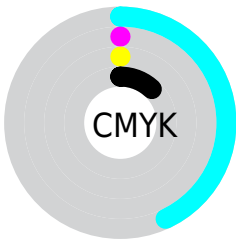
Distribution



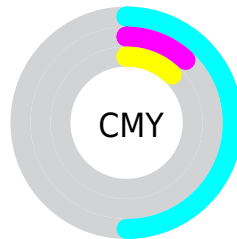
- Red (50%)
- Green (88%)
- Blue (88%)



- Red (50%)
- Yellow (69%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (50%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0123, 63.2823, 80.1525 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.0123, 63.2823, 80.1525 by changing the saturation by 10% instead.


 49.0123, 63.2823,
80.1525


 49.0123, 63.2823,
80.1525


373.3069,
436.5933, 515.1669


 34.8438, 46.0696,
59.3169


 87.9103, 109.5767,
135.3935

 23.7085, 32.3008,
42.4466


 113.3706,
139.4272, 170.6359

 15.2411, 21.5913,
29.1230


 143.3255,
174.2591, 211.5178

 9.0762, 13.5569,
18.9275

178.1404,
214.4568, 258.4576

 4.8484, 7.8132,
11.4416

218.1806,
260.4046, 311.8739

 2.1924, 3.9756,
6.2468

263.8115,

 0.7388, 1.6599,

312.4871, 372.1852

2.9245

315.3985,
371.0885, 439.8100

■ 0.0000, 0.3975,
1.0562

■ 0.0000, 0.0000,
0.0000

■ 49.0123, 63.2823,
80.1525

■ 49.0123, 63.2823,
80.1525

■ 46.0083, 61.7352,
80.0129

■ 52.7638, 65.2178,
80.3298

■ 43.6966, 60.5435,
79.9044


■ 57.3021, 67.5573,
80.5426


■ 42.0236, 59.6810,
79.8257


■ 62.6705, 70.3248,
80.7942


■ 40.9254, 59.1149,
79.7740


■ 68.9074, 73.5401,
81.0864


 40.3248, 58.8053,
79.7455


 76.0491, 77.2217,
81.4210

 40.1110, 58.6951,
79.7352

 81.3518, 79.9554,
81.6695

 81.3519, 79.9554,
81.6699

 81.3520, 79.9555,
81.6703

 81.3521, 79.9555,
81.6707

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7763, 63.2823, 61.4031



49.0123, 63.2823, 80.1525



52.0937, 63.2823, 98.6925

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.0123, 63.2823, 80.1525



69.8066, 63.2823, 96.0228



62.9094, 63.2823, 39.5871

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.0123, 63.2823, 80.1525



42.3581, 32.8461, 24.5318

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9922, 63.2823, 45.8075



49.0123, 63.2823, 80.1525



73.1624, 63.2823, 76.9915

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.0123, 63.2823, 80.1525



63.9572, 63.2823, 108.9262



72.8541, 63.2823, 58.7598



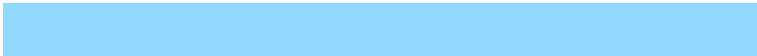
56.4930, 63.2823, 40.1258

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0123, 63.2823, 80.1525



55.4811, 63.2823, 107.4316



72.8541, 63.2823, 58.7598



65.0694, 63.2823, 40.9024

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.0142, 63.2848, 80.1540



83.8882, 94.2459, 108.3770



39.6986, 59.5866, 29.8326



17.5930, 19.9856, 23.1801



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0142, 63.2848, 80.1540



62.2597, 83.0960, 107.3629



38.1995, 41.6550, 76.5506



14.1166, 15.5724, 17.6494



23.3467, 34.1635, 46.4100



1.6183, 2.3680, 3.2169

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.3581, 32.8461, 24.5318



52.2660, 37.3940, 23.8493



49.8525, 47.8350, 27.0292



13.7073, 13.7006, 14.2289



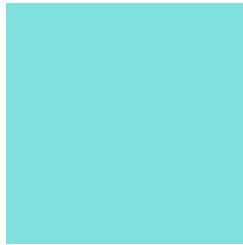
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 49.0123, 63.2823, 80.1525 looks on a white background.

Color Contrast Check

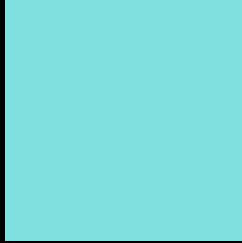
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.0123, 63.2823, 80.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

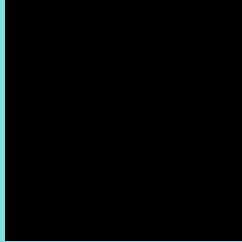
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0123, 63.2823, 80.1525

Background



This preview shows how black text looks on a background with the XYZ color 49.0123, 63.2823, 80.1525.



This preview shows how white text looks on a background with the XYZ color 49.0123, 63.2823,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.0123, 63.2823, 80.1525

Protanopia

60.3760, 62.5020, 71.8327

Deuteranopia

63.8787, 62.6499, 82.8546



Tritanopia

51.3741, 63.4611, 91.2029

Trichromacy



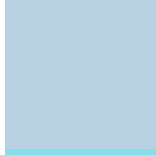
Original Color

49.0123, 63.2823, 80.1525



Protanomaly

55.1410, 62.3016, 74.7648



Deuteranomaly

56.9193, 61.9535, 81.6313



Tritanomaly

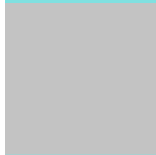
50.5990, 63.5412, 87.4397

Monochromacy



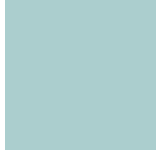
Original Color

49.0123, 63.2823, 80.1525



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.0065, 57.2568, 66.8086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0123, 63.2823, 80.1525 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 224, 224)` looks like.

```
.text, #text, p{  
    color:rgb(128, 224, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 224, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.0123, 63.2823, 80.1525 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 224, 224) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 224, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(128, 224,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0123, 63.2823, 80.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 224, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
224, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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